

**Notice of Allowability**

Application No.

10/782,844

Examiner

Hargobind S. Sawhney

Applicant(s)

KATO ET AL.

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/3/2006.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/18/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 8/9/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

1. The amendment filed on May 3, 2006 has been entered. Accordingly, Claim 1 has been amended.
2. On August 9, 2006, the examiner and the attorney, Mr. Donald A. DiPaula, discussed claim 1 in light of the prior art Uchiyama et al. (Japanese Patent No.; 2003-005292) submitted through the IDS filed on April 18, 2006. the examiner and Mr. DiPaula review the prior art and the proposed amendment to claim 1. The prior art does not meet the limitations of the independent claim 1 with amended limitations.

In addition, the examiner suggested that the amended limitation recited in lines 14-16 needs to be more definite with respect to the structural relationship of the device.

In response, Mr. DiPaula authorized an examiner's amendment requiring further amendment of claim 1(amended) as detailed in Section 3 of this office action.

A copy of the interview summary is attached herewith.

#### ***EXAMINER'S AMENDMENT***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Donald A. DiPaula on August 9, 2006.

Claim 1 (Amended), lines 14-16, replace " that slides to introduce ..... Housing." With -- provided on the light source housing that slides to protrude from the light source housing and transfers the cooling air to the cooling-air introducing opening on the light source housing when the duct protrudes from the light source housing--.

***Allowable Subject Matter***

4. Claims 1-10 are allowed.

The prior art of record, including, Hara et al. (US Patent No.; 6,398,366 B1), Sugawara et al. (US Patent No.; 6,481,854 B1), Ozawa et al. (US Patent No.: 6,966,654 B2), does not show or suggest the applicant's invention as claimed. Specifically, the prior art of record does not disclose a light source device attached to an optical device, the light source device combining:

- a light source housing including a duct, which slides to protrude from the light source housing and transfers the cooling air to the cooling-air introducing opening on the light source housing as recited in the amended independent claim 1;

The above-indicated combination, including a housing with an air intake duct, which slides to protrude for feeding cooling air into the light source housing, makes this invention unique.

Neither combined nor individual teaching of Hara et al. ('366 B1), Sugawara et al. ('854 B1), Ozawa et al. ('654 B2) discloses a light source device including a housing

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with an air inlet duct that slides and protrudes for feeding cooling air into the light source housing.

Therefore, the amended independent claim 1 would be allowable.

Claims 2-10 would necessarily be allowed because of their dependency on base Claim 1, which would be allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hargobind S Sawhney whose telephone number is 571 272 2380. The examiner can normally be reached on 8:30 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571 272 2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HSS

8/16/06

  
**ALI ALAVI**  
**PRIMARY EXAMINER**